

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-16 (Canceled)

Claim 17. (Currently amended) A transgenic plant having an altered response to vernalization, wherein the transgenic plant comprises a nucleic acid having at least 95% identity to SEQ ID NO: 75 comprising the isolated nucleic acid of claim 1.

Claim 18. (Currently amended) The transgenic plant of claim 17 wherein said plant is selected from the group consisting of wheat, barley, rye, oats, and forage grasses.

Claim 19. (Currently amended) A transgenic Transgenic seed of the transgenic plant of claim 17 comprising the nucleic acid of claim 1.

Claim 20. (Currently amended) The [[A]] transgenic plant of claim 17, wherein the nucleic acid is operably linked to a promoter comprising the isolated nucleic acid of claim 2.

Claim 21. (Currently amended) A transgenic Transgenic seed of the transgenic plant of claim 20 comprising the nucleic acid of claim 2 operably linked to the promoter.

Claim 22. (Currently amended) The [[A]] transgenic plant of claim 20, wherein the promoter is a regulated promoter comprising the isolated nucleic acid of claim 4.

Claim 23. (Currently amended) A transgenic Transgenic seed of the transgenic plant of claim 22 comprising the nucleic acid operably linked to the regulated promoter of claim 4.

Claims 24-37. (Canceled)

Claim 38. (Currently amended) ~~The~~ An isolated nucleic acid comprising a sequence having at least 95% identity to SEQ ID NO: 75 of claim 1, wherein ~~said~~ the isolated nucleic acid comprises SEQ ID NO: 75.

Claim 39. (Currently amended) ~~The~~ An isolated nucleic acid comprising a sequence having at least 95% identity to SEQ ID NO: 75 of claim 1, wherein ~~said~~ the isolated nucleic acid comprises SEQ ID NO: 79.

Claim 40. (New) The transgenic plant of claim 17, wherein the promoter is an inducible promoter.

Claim 41. (New) A transgenic seed of the transgenic plant of claim 40.

Claim 42. (New) The transgenic plant of claim 17, wherein the promoter is a regulated promoter.

Claim 43. (New) A transgenic seed of the transgenic plant of claim 42.

Claim 44. (New) The transgenic plant of claim 17, wherein the altered response to vernalization is flowering without the requirement of vernalization.

Claim 45. (New) A transgenic plant comprising the isolated nucleic acid of claim 38.

Claim 46. (New) A transgenic plant comprising the isolated nucleic acid of claim 39.